

## Circuit description

1. Power is supplied to the motherboard through the 5V/4A power adapter (USB1), and the blue LED indicator of the motherboard lights up, the motherboard USB2, USB3, output 5V voltage, USB3, USB4 on the USB board also output 5V voltage, the wireless charging board is also 5V input, and the standby light of the wireless charging lights up, showing blue.
2. The wireless charging starts to detect whether the circuit is working normally through the main control U1 (MCU) chip. It is equipped with two MOS tubes to achieve power output. At the same time, the wireless coil is oscillated through capacitive coupling, and the coil is given a signal to automatically identify the wireless charging of the mobile phone.
3. The output of all USB ports is connected in parallel, the total voltage output is 5V, the total current cannot exceed the current of the external adapter, and the output current of a single USB port cannot exceed 2A.